

Ex No 1

SQL Data Definition Language Commands

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Section: CSE I2

Aim: To study and implement the SQL Data Definition Languages commands.

Theory:

Data Definition Language commands consist of:-

1. **CREATE:** Used to create the database or its objects (table, index, etc.)

Syntax: CREATE TABLE table_name;

Command: create table players(id int, name varchar(255), position varchar(10), age int)

Output: Table created

Statement 1



```
create table players(id int, name varchar(255), position varchar(10), age int)
```

Table created.

Statement 2



```
describe players
```

TABLE PLAYERS

Column	Null?	Type
ID	-	NUMBER
NAME	-	VARCHAR2(255)
POSITION	-	VARCHAR2(10)
AGE	-	NUMBER

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4 rows selected.

2. **DROP:** Used to delete objects from a database.

Syntax: DROP object object_name

Command: drop table players

Output: Table dropped.

3. ALTER: Used to alter the structure of the database.

Syntax: ALTER TABLE table_name ADD/DROP/MODIFY column_name

Command: alter table players add (club varchar(50))

Output: Table altered

Statement 9



```
alter table players add (club varchar(50))
```

Table altered.

Statement 10



```
select * from players
```


ID	NAME	POSITION	AGE	CLUB
1	Granit Xhaka	MF	28	-
2	Joe Willock	MF	21	-
3	Willian	FW,MF	32	-
4	Kieran Tierney	DF	23	-

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4 rows selected.

Command: alter table players drop column club

Output: Table altered

Statement 11



```
alter table players drop column club
```

Table altered.

Statement 12



```
select * from players
```

ID	NAME	POSITION	AGE
1	Granit Xhaka	MF	28
2	Joe Willock	MF	21
3	Willian	FW,MF	32
4	Kieran Tierney	DF	23

[Download CSV](#)
4 rows selected.

4. TRUNCATE: Used to remove all records from a table, including all spaces allocated for the records are removed.

Syntax: TRUNCATE TABLE table_name

Command: truncate table players

Output: Table truncated

Statement 13	<div> <input type="button" value="Edit"/></div> <div>truncate table players</div> <div>Table truncated.</div>
Statement 14	<div> <input type="button" value="Edit"/></div> <div>select * from players</div> <div>no data found</div>

Result: Only the Data Definition Language commands are shown and successfully executed, we will be seeing the usage of other commands in DML and DQL.